

EXPRESS MAIL CERTIFICATE

Date

Label No

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

Name (Print)

Signature

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No: 1728/1F088-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ick Dong YOO et al.

Serial No.: Divisonal of 09/221,261

Art Unit: 1623

Confirmation No.:

Filed: Concurrently herewith

Examiner: K. Fonda

For: **NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM PHELLINUS SPP. STRAIN AND USE THEREOF**

PRELIMINARY AMENDMENT

Hon. Commissioner of
Patents and Trademarks
Washington, DC 20231

May 1, 2001

Sir:

Preliminary to examination of the above-identified patent application,
please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 1-3 and 5-7, without prejudice.

Please amend claim 4 as follows:

1 4. (Amended) A method for preparing a novel immuno-stimulating
2 polysaccharide substance, comprising the steps of
3 culturing *Phellinus linteus* Yoo (KCTC 0399BP) on media containing
4 glucose, yeast extract and peptone to give mycelia or fruiting bodies;
5 extracting the substance from the mycelia or fruiting bodies by hot water;
6 isolating the substance by precipitating in ethanol, suspending in water
7 and dialyzing with a dialysis tube; and
8 purifying the substance by sequentially executing DEAE-cellulose
9 chromatography and gel chromatography.

Please add new claim 8 as follows:

1 --8. (New) A novel polysaccharide comprising glucose units which are
2 joined by α (1 \rightarrow 4) and β (1 \rightarrow 6) linkages, which is produced by the method according
3 to claim 4.--

REMARKS

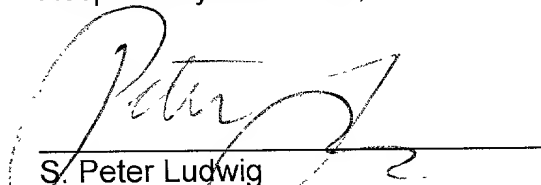
Entry of the foregoing Amendment is requested. As of entry of the Amendment, claims 4 and 8 will be pending. The amended and new claims have written support in the specification and do not add new matter to the application.

Written support for amended claim 4 appears in the specification at claim 4, as filed; Figures 1 and 3; page 9, line 14 to page 10, line 14; and in Examples VIII to X. Written support for new claim 8 appears in the specification at Example XIII.

CONCLUSION

The claims have written support in the specification and do not add new matter. Early examination of the claims on their merits is earnestly solicited.

Respectfully submitted,


S. Peter Ludwig
Reg. No. 25,351
Attorney for Applicants

DARBY & DARBY, P.C.
805 Third Avenue
New York, N.Y. 10022
Phone (212) 527-7700

EXPRESS MAIL CERTIFICATE

Date

5/1/01 853600842Us

Label No.

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04-0100

Name (Print)

Signature

Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No: 1728/1F088-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ick Dong YOO et al.

Serial No.: Divisinal of 09/221,261

Art Unit: 1623

Confirmation No.:

Filed: Concurrently herewith

Examiner: K. Fonda

For: **NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE
FROM PHELLINUS SPP. STRAIN AND USE THEREOF**

May 1, 2001

MARK-UP FOR PRELIMINARY AMENDMENT OF MAY 1, 2001

IN THE CLAIMS:

4. (Amended) A method for preparing a novel immuno-stimulating polysaccharide substance, comprising the steps of

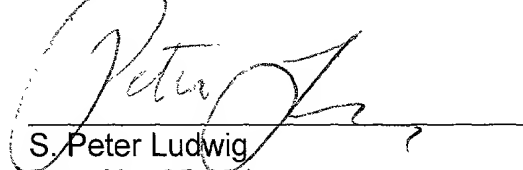
culturing *Phellinus linteus* Yoo (KCTC 0399BP) [strains] on media containing glucose, yeast extract and peptone to give mycelia or fruiting bodies;

extracting the substance from the mycelia or fruiting bodies by hot water;

isolating the substance by precipitating in ethanol, suspending in water and dialyzing with a dialysis tube; and

purifying the substance by sequentially executing DEAE-cellulose chromatography and gel chromatography.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Peter Ludwig", is written over a horizontal line.

S. Peter Ludwig
Reg. No. 25,351
Attorney for Applicants

DARBY & DARBY, P.C.
805 Third Avenue
New York, N.Y. 10022
Phone (212) 527-7700

1728/1F088-US1